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U. S. Department of Agriculture

Graettinger Nursery

E. S. GEORGE, Proprietor

Graettinger, Iowa



Hardy Trees, Plants, Shrubs
for the Northwest

SEASON OF

1929

Twenty-Sixth Year

To My Patrons and Friends

A Quarter Of A Century

This is my 25th. anniversary; a quarter of a century in the nursery business here at Graettinger. During this time I have had a very satisfactory business for which I wish to thank my numerous customers and friends.

BUY AT HOME.—My customers find that it pays to buy their nursery stock near home. Come to the nursery if possible and see the stock before buying. You can always get some information that will be of use to you in laying out your planting.

NO AGENTS, LESS PRICE.—Agent's commissions usually average about 40 per cent. This you save in buying of us as I have no agents. You usually get larger, stronger and fresher stock here as most of it is fresh dug at delivery time. In nearly every case my stock gives better results than stock shipped in from a distance.

PRICES.—Do not compare my large bushy, well rooted stock with the small spindling stock usually offered by mail order houses that can be shipped by mail at a few cents per hundred plants. Weak spindling plants are a mighty poor investment at any price.

VARIETIES.—It is important to plant right varieties. Agents as a rule are not Nurserymen and are not posted on varieties. Catalogues that cover a wide territory, probably several states, are of little value in selecting varieties for you do not know whether the plants offered are adapted to our conditions or to conditions in Missouri or some other place. We sell nearly all our stock within 75 miles of Graettinger and the varieties offered are those that have proven of real value here. Nearly all of them have been tried out on our own grounds. A good many varieties that do well in central Iowa are not a success here.

GUARANTEE.—All our nursery stock is properly grown by the latest approved methods. All stock is properly packed and in growing condition when it leaves the nursery. We aim to have all nursery stock true to name and correctly labeled. In case it is not we will replace free or return the money paid. Further than this we can not be held liable. We have all of our stock inspected every year by the State Nursery Inspector and nothing is allowed to leave the nursery that does not meet with his approval. Certificate of Inspection showing freedom from disease accompanies each shipment.

TERMS.—Prices quoted are at the nursery except on plants and small articles which are sent by parcel post free of charge. No charge for packing or delivery to depot. On account of selling all of our stock near home we do not require cash in advance. It is understood that you are to pay for it within 5 days after you receive it. You can see the stock before you pay for it. Any stock that dies the first season will be replaced at one-half catalogue price if reported to me in writing by October 1, 1929.

VISITORS ALWAYS WELCOME.

Evergreens

There is nothing you can put on your farm that will add so much value and comfort for the money invested as one of our Guaranteed Evergreen Windbreaks. Two or three or four rows of evergreens properly placed will pay 100 per cent interest on their investment every winter in saving of feed alone. The comfort and cheerfulness they add to a farm in winter can be obtained in no other way.

All the evergreens are packed immediately after digging to prevent any possible injury to the roots. They are guaranteed to reach the planter in good condition.

We are often asked about the best size to plant. We have found the best size is about 3 to 4 feet high above the ground. A little larger if there is already a good windbreak. Evergreens of this size that have been properly transplanted so that they have formed a good root system grow about as readily as maples or poplars. It's the roots that count. Our ground is quite loose giving an opportunity to form a good root system. To get quick results, trees should be planted 8 to 12 feet apart.

We have probably the largest stock of hardy evergreens in northwest Iowa, comprising all the varieties that do well here. All evergreens we sell are grown here at Graettinger. It pays to get them close to home. Large evergreens grow best and are cheaper in the end.

Price List Of Evergreens

All Measurements Are Above Ground

All transplanted and Root Pruned three to four times.. Norway Spruce and Scotch Pine.

Size	Doz.	Per 50	Per 100
24 to 30 inches	\$ 7.50	\$30.00	\$60.00
30 to 36 inches	9.00	35.00	70.00
3 to 4 feet	10.00	40.00	80.00
4 to 5 feet	12.50	50.00	100.00

NORWAY SPRUCE SPECIMENS for lawn planting. Balled and Bur-lapped, all transplanted 3 to 5 times.

2 to 3 feet \$1.50 each 4 to 5 feet \$3.00 each
3 to 4 feet \$2.00 each 5 to 6 feet \$4.00 each

We also have a lot of specimens in above kinds from 6 to 20 feet.

Large Evergreens grow best and are cheapest in the end.

**Evergreens do well planted in sod if kept heavily
mulched for first year or two.**

Evergreens For Windbreaks

NORWAY SPRUCE

For Northern Iowa and Southern Minnesota the very best evergreen to plant for a windbreak is the Norway Spruce. This is the best known and the most widely planted of all the evergreens. There are probably as many Norway Spruce planted as all other evergreens combined. It is a native of Norway, Sweden and Russia and stands the winters here perfectly. It grows rapidly making a thick heavy growth and holds its limbs close to the ground. The Norway Spruce does not seem to do well on very light gravelly soil (the Scotch Pine should be planted there) but on any land where corn does fairly well it should be right at home.

The Norway Spruce is the most rapid grower of all the evergreens. It is very thrifty and vigorous and recovers rapidly from an injury. Color is deep green. Most of the really good evergreen windbreaks in Northern Iowa are of Norway Spruce. Put them on good soil, keep all stock away from them and keep them heavily mulched with straw or leaves and you will have a windbreak in a very short time.

These have been several times transplanted and roots pruned, giving them an abundance of fibrous roots. We get better results right along with 3 to 5 ft. spruce than with the smaller ones. You will find that if you plant the larger trees you will get a windbreak much quicker and get a far better stand than if you plant small trees.

We believe the proper plan for planting Norway Spruce in a windbreak is to put in 2 to 4 rows planting the trees 8 to 10 ft. apart in the row and the rows 8 to 10 ft. apart. In a few years the limbs will grow together so there will be a perfect windbreak. For quick results there should be several rows of Poplars or other quick growing trees planted behind the Evergreens and at least 20 ft. away.

We believe our Evergreens are at least equal to any that can be grown. Most of our customers who have planted Norway Spruce had excellent results. Three or four years go we sold D. D. Johnson & Sons of Curlew, Iowa, 340 Norway Spruce 3 to 5 ft. The first two years they lost 3 trees. Part of them were set where a grove had been cut out. They kept them heavily mulched. At the same time Mrs. Jennie Evans, in the same neighborhood bought 170, 3 to 5 ft. Norway Spruce and lost 5 the first two years. We often sell smaller lots where there is no loss at all.

Look on page 3 for prices. We believe our prices are as reasonable as good trees can be sold for. We prefer to have you drive to the nursery for them when it is possible to do so.

UNITED STATES SENATOR BUYS TREES HERE

(From Hon. Magnus Johnson, Former U. S. Senator From Minnesota)
E. S. George, Kimball, Minn.
Graettinger, Iowa.

Received the Black Hills Spruce last Monday. Planted them the same day. They certainly look fine.—MAGNUS JOHNSON.

Graettinger Nursery,
Graettinger, Iowa.

Dear Sirs:

We are well pleased with the car of evergreens shipped us last spring. We lost just one tree. The smallest one in the car.

Waukegan, Ill., Jan. 16, 1929.

Yours truly,

WAUKEGAN NURSERY.

—more Haralson Evidence



Haralson—5-year-old grafted limb bearing its third successive crop of big red winter apples— $\frac{3}{4}$ of a bushel on this one limb.

Haralson bears heavily

To carry the heavy crops of fruit requires properly spaced limbs, and strong crotches. Haralson has these features to a marked degree. (See Professor Alderman's letter).

When apples are 10c a pound at the stores, you are fortunate to be able to grow your own. Most of the apples trees planted heretofore in the Northwest have been summer apples and crab apples. People of this territory have paid out hundreds of dollars for winter apples every year.

Now Haralson is available, you can "grow your own" and keep some of the money in your pocket that you have formerly paid out at the grocer's. A few Haralson trees in the orchard will keep the "apple barrel" full all winter.

Doctors Say: "Eat More Fruit"

Grocers Say: "10c a Pound"

Common Sense Says:

"Plant Haralson and Grow Your Own"

GRAETTINGER NURSERY

GRAETTINGER, IOWA

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THE HARALSON *the Big, Red*

Winter Apple for the Northwest

THINK what it means! You can now raise your own winter apples!

Think of the money saved, and the splendid satisfaction of having all the apples you can use, all winter long!

Thousands of dollars have been spent to produce a good apple that will grow in severe climates, and that will keep until spring. Now we have it. Haralson will grow anywhere in Minnesota where apples can be grown, and it can be kept in an ordinary cellar until late spring.

Developed by the State of Minnesota for the planters of the Northwest. Haralson is the apple selected from many thousands

of improved seedlings bred at the Minnesota State Fruit Breeding Farm.

As a result of cross breeding choice apples of milder climates with the sturdy varieties of the north, this new apple, Haralson, was produced. It combines in a marked degree, qualities long sought for—a good sized, red, long keeping fruit, with hardiness of tree. Haralson is the apple of today for the entire Northwest.

Haralson has been thoroughly tested in various parts of Minnesota and surrounding states, and has come through the trials in fine condition. It has the endorsement of the most prominent horticulturists of the Northwest. (Read what Prof. Alderman and others say on the next page).

Grow Your Own Winter Apples
They Taste Better—and Cost Less



Prof. W. H. Alderman
Chief
*Division of Horticulture
University of Minnesota*

What Other Prominent Men Say:

J. D. WINTER, Chief Deputy of the Nursery Inspection Service has a splendid opportunity to observe and judge of the performance of various fruits. Mr. Winter writes this of the Haralson, "I consider this variety one of the best for the home orchard on account of the hardiness of the tree and the long keeping quality, fine color and large size of the fruit. I have found that this variety comes into bearing unusually quickly and bears a good crop every year."

PROFESSOR A. F. YEAGER, Chief of the Horticultural Department, Agricultural College, North Dakota, is testing Haralson in that severe climate. He declares: "Haralson shows every indication of hardiness."

Professor Alderman's *Tribute to the* **HARALSON**

PROFESSOR W. H. ALDERMAN, Chief, Division of Horticulture, University of Minnesota, writes of Haralson—"Its size, shape and color are just right for an ideal commercial apple. The tree is extremely vigorous, productive and hardy. The branches spring at wide angles from the central trunk and are very strong in the crotches. The fruit will keep in an ordinary cellar throughout the winter without artificial refrigeration."

R. P. SPEER, president of the Minnesota State Horticultural Society gives Haralson an outstanding position in his orchard. He writes in part as follows, "I have thought well enough of the Haralson apple to give it an outstanding position in my orchard of about 800 apple trees. Although I have not had fruit on my own orchard, I believe the real worth of the Haralson is its use as a home orchard tree. It fruits well, is very hardy, can stand lots of abuse, and holds over into the winter better than any other apple we have in general use in this climate. The fruit is large in size, of good color, heavy and solid, and of good quality late in the winter when it mellows up."

Haralson Evidence



AFFIDAVIT TESTIFYING THAT HARALSON IS A LONG WINTER KEEPER. "I hereby certify that the above photograph is of Haralson apples picked from the tree in October 1923, and kept in an ordinary cellar until July 10, 1924.

Signed: C. H. ANDREWS
Subscribed and sworn to before me a notary in and for Rice County, Minnesota.
(State Seal) Signed: FRANK T. RONAN



Haralson trees bear very young. This photo was taken of a young tree in the nursery row, less than four feet high, carrying two fine specimens of fruit. This habit of extremely early bearing is a valuable trait either in a commercial orchard or in the home garden.

Haralson keeps till spring—
The outstanding quality that makes Haralson so desirable is its splendid keeping qualities. When other apples have long gone by, Haralson is in its prime and can be kept in perfect condition until late spring.

Haralson free from blight—
At the Minnesota Trial Station and in the midst of other varieties badly affected with Fire Blight, Haralson has stood through it all, entirely unaffected.

Haralson bears early—

Haralson has a tendency to bear at a very young age, sometimes in the nursery row 2 years from the graft. Haralson orchard trees come into bearing more quickly than most varieties.

Haralson is hardy—

It is growing and thriving at the State Trial Stations and in many private orchards throughout Minnesota and other northern states, proving it to be rugged and hardy, well-adapted to severe climates.

See next page

Black Hills Spruce

For Lawn, Cemetery and Park Planting

The Black Hills Spruce is one of our finest trees, its only rival being the Blue Spruce. On any good corn land it makes a magnificent tree. It also grows well on poor soil and if your

soil is light and sandy plant the Black Hills Spruce. It also grows to perfection on heavy soil but grows a little slower than the Norway Spruce so is not sold as largely for wind-breaks. For dooryard, cemetery and park planting there is nothing but the Blue Spruce to compare with it. In color it ranges from a deep shiny green to light blue. It grows thicker and more compact than the Norway Spruce and holds its limbs tight to the ground.

Until lately the Black Hills Spruce has been scarce and high priced. We have a heavy stock of them, probably one of the largest stocks in Iowa, and are making low prices on them.

Fine specimens, all transplanted 3 to 5 times. Fine roots. All balled and burlapped with solid balls.

2 to 2½ feet	\$2.50 each
2½ to 3 feet	\$3.00 each
3 to 3½ feet	\$3.50 each
3½ to 4 feet	\$4.00 each
4 to 5 feet	\$5.00 each
5 to 6 feet	\$6.50 each
6 to 7 feet	\$8.00 each

BLACK HILLS SPRUCE.

WHITE PINE
This native pine of Northern Minnesota is a most beautiful tree. We do not recommend the White Pine for planting in the open in Northern Iowa. However, when given a good windbreak it makes a very fine tree and grows rapidly. Same as Norway Spruce specimens. Prices on page 3.



SCOTCH PINE

One of the hardest pines and the most popular for windbreaks. Makes quick windbreak on account of its rapid growth and bushy form. Probably the best pine for general planting. Does well on all soils. Holds its limbs well to the ground. Prices on page 3.

Evergreens For Ornamental Planting

All shapely, fine specimen trees dug with ball and burlapped

AMERICAN ARBOR VITAE OR WHITE CEDAR

A native of Minnesota and very hardy. Has flat green foliage and is one of our finest evergreens. It is perfectly free from disease and does not injure apple trees like the red Cedar. These make fine lawn trees when growing naturally or can be trimmed into any shape desired. We have a good stock in the various sizes. Prices are for perfect trees Balled and Burlapped. For hedges we have a cheaper grade. Ask for prices.

Prices, 2 to 3 ft., \$1.50 each; 3 to 4 ft. \$2.00 each; 4 to 5 ft. \$3.00 each.

DOUGLAS FIR

This is the tree used in making the common fir lumber. A native of the west, where it grows to the height of 200 ft. Our seeds come from the Rocky Mountain region and the trees are perfectly hardy. Tree grows rapidly with a pointed top and is one of the best lawn trees. Prices specimen trees, 3 to 4 ft. \$3.50 each; 4 to 5 ft. \$5.00 each; 5 to 6 ft. \$6.50 each.

SIBERIAN ARBOR VITAE

A dwarf form of Arbor Vitae. Makes a large round bush larger than a Globe Arbor Vitae. Grows thick and bushy with heavy foliage and is very hardy. Prices, 2 to 3 ft., \$3.00 each; 3 to 4 ft., \$4.00 each.

COLORADO BLUE SPRUCE

This is the name given to all trees of this variety regardless of the fact that the colors run from bright Blue to dark Green. A great many have ordered Colorado Blue Spruce without specifying the color expecting to get Blue trees and had the order filled with cheaper Green colors. In order to avoid misunderstandings we list them in separate colors. You know just what you will get.

COLORADO BLUE SPRUCE—Blue Color

This is considered the Queen of all evergreens and is more in demand than any other evergreen grown. They are perfectly hardy excepting in very wet soil. These are all symmetrical in shape and good colors and will usually get bluer as they get older. These are usually sold as "Kosters" and are equally as good. We have several hundred good blue specimens. Prices, 24 to 30 inches, \$10.00 each; 30 to 36 inches, \$12.50 each; 36 to 42 inches, \$15.00 each; 42 to 48 inches, \$18.00 each; 4 to 5 ft., \$25.00.

COLORADO BLUE SPRUCE—Green Color

This is the same variety as the Blue Color and equally hardy and well shaped. Nearly all these have a blue shade but are not blue enough to sell for blue color. Most of these gets quite blue as they get older and all make fine yard trees. The prices are much lower than the Blue on account of the smaller demand. Prices, 24 to 30 inches, \$6.00 each; 30 to 36 inches, \$8.00 each; 36 to 42 inches, \$10.00 each; 42 to 48 inches, \$12.00 each; 4 to 5 ft. \$15.00 each.

PYRAMIDAL ARBOR VITAE. A densely branched variety forming a perfect column; holds its shape without trimming or pruning; hardy and will succeed anywhere. A very ornamental type. A splendid tree for cemetery planting. 2 to 3 feet, \$4.00; 3 to 4 feet \$5.00.

GLOBE ARBOR VITAE. We have three varieties of these that make a fine round tree without any trimming. Prices, 15 to 18 inches, \$2.00; 18 to 24 inches, \$3.00.

BLACK HILLS SPRUCE. Trimmed to ball shape. Perfectly round, thick and bushy. Fine for dooryards. 18-24 in. across, \$3.50; 24-30 in. \$5.00; 30-36 in \$7.00.

Apples

Apples are our most valuable fruit and great care should be taken to plant only varieties that are adapted to our climate. We list only the varieties that have proven valuable here. Plant 20x20 feet and cultivate well. Our large, thrifty 5-7 ft. trees grow better and bear much sooner than small light trees and are cheaper in the end.

Prices for the common varieties of apples and crabs, 5 to 7 ft. stocky trees, each 75c; per dozen \$7.50; per 50 \$30.00.

YELLOW TRANSPARENT. Harvest apple. The best early variety. Fine eating apple. Early August.

DUCHESS. This well known variety is the standard early cooking apple. Perfectly hardy and bears well. August.

WEALTHY. By far the best of all the fall apples. Tree hardy and heavy annual bearer. Fall and early winter.

MINNEHAHA. An early winter apple from the Minnesota Fruit Breeding farm. Tree hardy and productive. Fruit red and good size.

DELICIOUS. Red in color, good size and of the highest quality. Trees hardy and bear well. Winter.

McINTOSH RED. An excellent hardy sort from Canada. Winter. Deep red all over and productive. In southern Minnesota this is considered the leading winter variety.

NORTHWEST GREENING. The well known variety, large, yellow. Good for cooking. Winter.

MALINDA. Medium in size, yellow with pink blush. Hardy and productive. Will keep until May.

CRABS

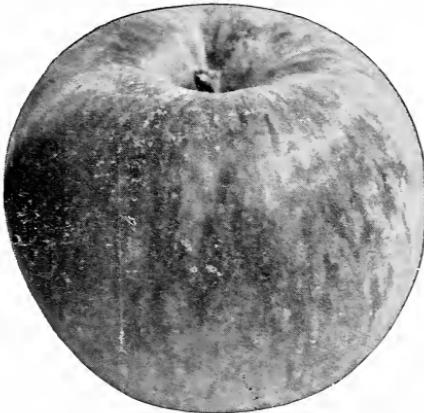
WHITNEY. A large sweet crab. Well known. Fall.

New Minnesota WINTER APPLES

Everyone should have a few of these New Minnesota winter apples. These varieties usually sell at about \$2.00 each, but we are offering large stocky trees, 5 to 7 ft. at \$1.00 each; 6 for \$5.00.

BAYFIELD. A large red apple of splendid quality, keeping up to May.

DUDLEY. (North Star.) Much like Duchess only it is a winter apple. Originated in Maine and is hardy and productive.



Haralson Apple

BRAND NEW VARIETIES

These new varieties have been tested several years and are now put on the market. They are all considered an improvement on the older varieties and will in time be heavily planted. Get started with a few of each. Prices, 5 to 7 ft., trees each \$1.25; 5 for \$6.00.

HARALSON. A product of the Minnesota Fruit Breeding farm and claimed by them to be the coming winter apple for the north. Hardy and productive. Much like the Wealthy but keeps all winter. We have a very limited stock.

COURTLAND. This apple originated at the New York experiment station. It is of the McIntosh type and considered an improvement on the McIntosh. Hardy and productive and keeps all winter. Quality very fine. Takes on a good red color. This should be one of our leading winter apples.

ERICKSON. One of the most popular of the new varieties. Very large, red, of about the same season as the Duchess. Originated in Central Minnesota. Early bearer and very hardy.

Hardy Plums

AS LARGE AS HEN'S EGGS

During the last few years there has been wonderful development in new varieties of plums. To Professor Hansen of Brookings, South Dakota, and the State Fruit Breeding Farm at Excelsior, Minnesota, are due the credit of these new fruits which are as hardy as native plums and equal in size and quality of California plums. These new varieties are so much better than any of the old ones that we have cut the old ones all out. They begin to bear in one to three years, and are heavy bearers. If you want plenty of BIG RED PLUMS equal to the California fruits buy liberally of the Waneta, Tonca, Monitor and Underwood. Plant 16 ft. apart each way and cultivate thoroughly.

Prices for heavy bushy trees, 5 to 7 ft., each \$1.00; per dozen \$10.00.

WANETA. A large bright red plum, the size of an ordinary hen's egg, hardy and of finest quality. Heavy bearer. Usually begins bearing the second year. One of Prof. Hansen's.

UNDERWOOD. A very fine hardy early plum from the Minnesota Fruit Breeding farm. Nearly as large as the Waneta and of equally good quality. It ripens in early August, a couple of weeks ahead of the Waneta.

TONCA. A very hardy free bearing plum of good quality and large size from the Minnesota Fruit Breeding farm.

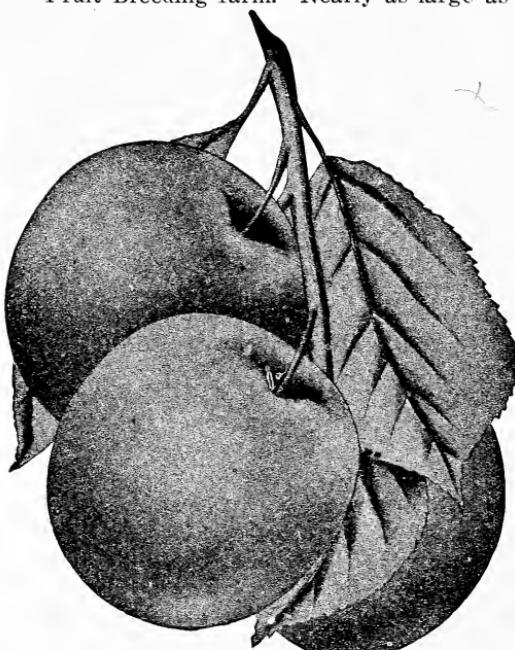
MONITOR. A heavy bearing plum of very large size from the Minnesota Fruit Breeding farm. Excellent quality and later than Underwood.

GOLDENROD. This is a large yellow plum of excellent quality and bears young. A product of the Minnesota State Breeding Farm. The best yellow plum on the market.

HANSKA. A cross between a plum and apricot. Dark red.

SAPA. A cross between a plum and a Sand Cherry. The Sapa is black and the flesh is deep red. One of Prof. Hansen's.

OPATA. Looks like Sapa, but the flesh is yellow. Same quality as Sapa. One of Prof. Hansen's.



The Waneta Plum

Hardy Cherries

ZUMBRA CHERRY. This Hybred from the Minnesota State Fruit Breeding Farm is a cross of the Sweet Cherry, the Sand Cherry and the Pin Cherry. The quality is good. Season, last of August. Very productive. Fruit black with greenish flesh. Bears second year. The best cherry for Northern Iowa. Prices, large size trees, each \$1.25; 6 for \$7.00.

NICOLET CHERRY. A red cherry Hybred put out by the Minnesota Fruit Breeding farm. In size and appearance like the Early Richmond. Large trees, each \$1.25; 6 for \$7.00.

COMPASS CHERRY. A Hybred plum and Sand Cherry. Perfectly hardy and a heavy bearer. Dark red. Price each \$1.00; 6 for \$5.00.

Pears For Northern Iowa

Only a few years ago everybody considered the pear as a fruit impossible to grow in Northern Iowa. The few who planted pear trees were looked upon as wasting their money. But several varieties have been developed that do well here and are a real success, the Lincoln, Patten and Mendel.

LINCOLN PEAR. Originated in Illinois over 80 years ago where the original tree is still bearing. This pear is equal to the Bartlett in quality and size. We believe the Lincoln is as hardy as a wealthy apple and will bear just as much fruit. Ripens in September. Prices, 5 to 7 ft. trees, each \$2.25; 3 for \$6.00.

PATTEN PEAR. Originated at Charles City, Iowa, by the late Charles Patten, the noted horticulturist, about 40 years ago. The Iowa experiment station at Ames pronounce this the best of Mr. Patten's productions. The tree is perfectly hardy and productive and the fruit good size and excellent quality. The original tree now over 40 years old, is owned by the State of Iowa, is healthy and bearing regularly. Season fall. Everybody likes pears and by planting these varieties it is just as easy to grow your own pears as it is your apples. Prices, 5 to 7 ft. each, \$2.25; 3 for \$6.00.

MENDEL PEAR. The original tree of the Mendel Pear is still standing at New Ulm, Minnesota, and bearing good crops of pears every year, as it has been doing for several years. Fruit is good size and the tree is perfectly hardy and free from blight. It should be in every orchard. Prices, 4 to 5 ft. trees, each \$1.50; 3 for \$4.00. The three pears above are perfectly hardy and reliable and safe to plant. One of each, large tree for \$5.00.



The Lincoln Pear

FLEMISH BEAUTY PEAR. A well known commercial pear of good size and quality. Prices, 5 to 7 ft. trees each, \$1.00; 3 for \$2.50.

BARTLETT. A commercial variety but not very safe to plant here. Price, large tree, \$1.00; 3 for \$2.50.

DUCHESS DWARF PEAR. Bears young. Fruit large and good quality. Late fall. Price, 3 to 4 ft. trees, each 75c.

KIEFER. An old reliable variety. Price each, large tree, \$1.00; 3 for \$2.50.

A Hardy Peach

MARQUETTE PEACH. A variety from Northern Michigan. Claimed to be very hardy. Grafted on plum roots which should increase the har-

diness. We recommend this only for trial. It seems to have considerable promise. Plant in sheltered location. Large trees, 75c each.

Hardy Grapes

Our hardy grapes are as easily grown as apples or any other fruits. They are heavy annual bearers and here at the nursery produce heavily on ordinary soil with no care at all. But of course with cultivation and pruning will do much better. They do well on almost any soil. Prune in fall or winter or before new growth starts. Plant 6 to 7 feet apart. The Beta and Alpha are perfectly hardy without winter covering. The others should be pruned and covered in the fall.

ALPHA. Considered the best of the Hardy grapes. Better quality than Beta. Bears immense crops and of good flavor when fully ripe. Two year plants. Each 40c; per 12 \$3.60; per 50, \$12.50.

BETA. Very similar to the Alpha and an equally heavy bearer. Last fall we found some Beta vines growing in sod that were completely black with fruit. Both varieties ripen about a month ahead of Concord. Both are black when ripe. Price of Beta, two year plants, each 30c; per 12, \$2.50; per 50, \$10.00.

HUNGARIAN. A medium size black grape similar to Beta. Very hardy and productive. Each, 30c; per 12, \$2.50; per 50, \$10.00.

CONCORD. Black. An old va-

riety. Hardest and most popular of all the old varieties. Bears abundantly and fruit is fine if allowed to get fully ripe on the vine. Price large 2 and 3 year plants per 12, \$1.75; per 100, \$12.00.

WORDEN and MOORES EARLY. Both reliable old varieties of black grapes. Hardy and productive. Price each, 20c; per 12, \$2.00.

DELAWARE. Best red grape. This is a rather small grape but very sweet and juicy. Fine for table use. Two year plants, each 20c; per 12, \$2.00.

NIAGARA. White. The hardest and best of the white grapes. Sweet and fine flavored. Good size and bears well. Two year plants, each 20c; per 12, \$2.00.

Currants

The varieties here listed we have found to be the best for this locality. Plant 3 to 4 feet apart. Cultivate or mulch heavily. Sprinkle the plants with powdered Hellebore to kill worms.

PERFECTION. Much the largest of all currants. Hardy and productive and of good quality. A good currant for home or market. Prices, each 2 year plants, 30c; per 12, \$3.00

WILDER. Not as large as Perfection but one of the very best. Hardy, vigorous and productive. Comes into bearing early. Extra large plants. Each 20c; per dozen, \$2.00.

WHITE GRAPE Currant. Similar to Wilder except in color. Same price.

Gooseberries

CARRIE. We have found the Carrie so much superior to the rest that we do not grow any others. Bears heavily the second year. Free of thorns which makes it easy to pick the fruit. Hardy vigorous and a great producer of fine fruit. Each extra large plants, 25c; per dozen, \$2.50.

Asparagus

WASHINGTON. One of the new varieties largely grown by market gardeners. Large plants, per 25, 75c; per 100, \$2.50.

Rhubarb

LINNAEUS. Early, grows very tall and tender. A favorite variety. Dozen, \$1.25; 25 for \$2.00.

Strawberries

Each one of these varieties will bear alone. Plant in good rich soil 15 to 18 inches apart and rows 3 feet apart. Press the ground firmly around the roots and give them some water. Cultivate thoroughly.

THE WONDERFUL MASTODON EVERBEARER

This is universally recognized as the best everbearing strawberry grown and is a big improvement over the Progressive on account of productiveness, size and quality. We have a nice lot of No. 1 plants and can recommend this variety as a good thing to plant. Prices, 25 for \$1.00; 50 for \$1.75; 100 for \$3.00; 300 or more at \$2.50 per hundred. Postpaid.

MINNEHAHA. June bearing. Later than Dunlap. A product of the Minnesota Breeding Farm. This is being largely planted by the market gardeners around Minneapolis and considered by many as superior to the Dunlap. The plants are much larger than Dunlap. Fruit large and showy. Everybody should try a few of this wonderful new berry. It will no doubt replace the Dunlap in numerous localities. Per

25 for 75c; 50 for \$1.25; 100 for \$2.25; 300 or more at \$2.00 for 100 postpaid.

PROGRESSIVE Everbearing. Until lately this has been considered the best everbearing strawberry to plant. Has heavy foliage so the plants do not need covering in winter. Plants well rooted and thrifty and bear heavy crops. Plants planted this spring, if given rich soil and good cultivation, will bear a heavy crop next fall and again all next year. Strawberries do well on any land that will grow corn and every family should have a good sized bed.

Prices of Progressives, 100, \$1.50; 200, \$2.75; 500, \$6.25. Postpaid.

SENATOR DUNLAP. The old reliable and until lately considered the very best of the June bearing strawberries. Fruit large and good quality. Has been heavily planted all over the United States. Per 100, \$1.00; per 500, \$4.00; per 1000, \$7.25 Postpaid.

Latham

The Big Red Raspberry

Plant 12 Inches Apart

LATHAM. The big red Raspberry. This wonderful new red raspberry was originated a few years ago at the Minnesota State Fruit Breeding Farm at Excelsior, Minnesota. It has been wonderfully successful all over the north and as far as Winnipeg, Canada, being perfectly hardy and outbearing all the other varieties. In the Minnetonka Fruit region near Minneapolis this is the only variety planted now and the fruit is shipped in car loads in all directions. A good crop frequent-

ly produces \$1,500 per acre.

Our plants are strong, well rooted and free from disease. Price for 12, \$1.00; 50 for \$3.50; 100 for \$6.00. Postpaid.

Black Raspberry

Plant 2 Feet Apart

KANSAS. Hardy and productive. Good size and a good family berry. Dozen 75c; 50 for \$2.00; 100 for \$3.50. Postpaid.

Shade And Ornamental Trees

Plant carefully using same method as in planting evergreens. Keep the ground thoroughly hoed around them for two years. Some manure worked into the top soil will increase the growth. Trim the tops back severely at planting time. They soon grow out. All these trees have been transplanted one or more times and have plenty of roots. With careful handling they will soon make fine shade trees. Six of any kind for the price of 5.

CUT LEAF WEEPING BIRCH. Has white bark. The very best of the weeping trees. In great demand everywhere. 6 to 8 feet, \$3.50 each.

CUT LEAF WEEPING MAPLE. A beautiful ornamental type of the Soft Maple, with deeply cut leaves. Tree is upright in growth, but branches have a drooping habit. A rapid grower. 5 to 6 feet, \$2.00 each; 6 to 8 ft. \$2.50 each.

SOFT MAPLE. A native tree of very rapid growth. Hardy and long lived. 5 to 6 feet, 50c each; 6 to 8 feet, 65c each.

HARD MAPLE. A native tree of slower growth. Hardy and long lived. Leaves turn red in the fall. 5 to 6 feet, \$1.00 each.

NORWAY MAPLE. A species of Hard Maple. Makes a beautiful and long lived tree. Much used for street and park planting. 5 to 6 ft. \$1.25 each; 7 to 8 ft. \$2.00 each.

SCHWEDLERI MAPLE. Leaves opening in the spring a bright fiery red, giving it a wonderful striking appearance. A good grower and hardy. Should be in every yard. Price, 6 to 7 ft., \$3.00.

LINDEN. Perfectly hardy everywhere and vigorous in growth, with large, clean, handsome foliage and fragrant flowers. One of the best trees for shade or ornamental purposes. 5 to 6 feet, \$1.25 each; 6 to 8 feet \$1.50 each.

WHITE ELM. This is one of the best trees for general planting, being especially adapted for shade trees or for planting along the street or roadway. 5 to 6 feet, each 60c; 6 to 7 feet, each 75c; 7 to 8 feet, each \$1.00; 8 to 10 feet, each \$1.25; 10 to 12 feet, each \$2.00.

CHINESE ELM. A very hardy and ornamental tree introduced by the U. S. government from northern China. A rapid grower. Price, 5 to 6 ft. \$2.00 each.

HACKBERRY. A large growing native tree. Resembles an Elm.

Does well in all soils. 6 to 8 feet, \$1.25; 8 to 10 feet, \$1.50.

SYCAMORE. Native in central Iowa. Bark peels in spots giving a mottled appearance. Spreading top with large leaves. Likes a moist soil. Prices, 5 to 6 feet \$1.25 each; 6 to 8 feet \$1.75 each.

ASH. Green or White. One of our most valuable trees for ornamental or timber planting. Resists drouth well. 6 to 8 feet, \$1.00 each.

WHITE BIRCH. Makes a fine shaped tree. Its chalky white bark and beautiful foliage make it a desirable lawn tree. 4 to 5 feet 75c each; 5 to 6 feet, \$1.00 each; 6 to 7 feet, \$1.25 each; 7 to 8 feet \$1.50 each; 8 to 10 feet \$2.00 each.

BLACK WALNUT. Valuable for nuts and timber. One of the choicest ornamentals. Hardy; does best in rich, rather moist soils, but stands drouth well. 5 to 6 feet 75c each; 6 to 7 ft., \$1.00 each; 7 to 9 ft., \$1.25.

BUCKEYE. Of pyramidal form, with large leaves and showy red and white flowers; one of the earliest trees in the spring. 6 to 7 feet \$2.00 each; 7 to 9 feet \$2.50.

MOUNTAIN ASH. A handsome lawn tree, very attractive when in blossom or when covered with its large clusters of red berries. 5 to 6 feet 75c each; 6 to 7 feet \$1.00 each.

WILD BLACK CHERRY. Hardy, fast growing tree. Ornamental in the spring when covered with bloom. A good dooryard tree. Makes as large a tree as the Soft Maple and grows about as fast. 5 to 6 feet 75c each; 6 to 7 feet \$1.00 each; 7 to 8 feet \$1.25 each; 8 to 10 feet \$1.50.

OAK. Pin or Red. A native tree of great beauty. Leaves color to a bright red after frost. Hardy. Price 4 to 5 ft. \$2.50 each; 5 to 6 ft. \$3.00.

WILD OLIVE. A native of Russia. Very hardy with light colored leaves. Bears an abundance of yellow scented flowers. Price, 5 to 6 ft. \$1.00 each; 6 to 8 ft. \$1.25 each.

Shade and Ornamental Trees

(CONTINUED)

RUSSIAN MULBERRY. Often grown for the fruit, which resembles a blackberry. 6 to 8 feet 75c.

NORWAY POPLAR. Rapid growing hardy tree, much used for wind-breaks and ornamental planting. 6 to 7 feet, 50c each; 8 to 10 feet 75c.

VOLGA POPLAR. A Russian variety much more ornamental than the Norway Poplar. Smaller leaves. Hardy. 7 to 8 feet \$1.00 each; 8 to 10 feet \$1.25.

THORNLESS LOCUST. An old variety that bears highly scented flowers in the spring. Price 6 to 7 feet, \$1.00 each.

PEAR TREES. These pear trees are grown from seed imported from Northern Japan and Siberia. They are hardy and ornamental although the fruit probably will not be of much value. Price 6 to 8 feet, \$1.00 each.

WINDBREAKS

NORWAY POPLAR. For a quick windbreak there is nothing to compare with the Norway Poplar. They are at home on any soil, are perfectly hardy and will outgrow any tree you can plant. Plant four feet apart in the rows and three or four rows and you will soon have a perfect snowbreak and a good windbreak. They should be planted along with evergreens and later on the poplars can be cut. Prices, 3 to 5 ft. \$7.00 per 100; \$60 per 1000.

SIBERIAN PEA TREE. An extremely hardy and ornamental tree, much planted in the Dakotas. Branches from the ground and grows 15 to 20 ft. tall. Bears an

abundance of yellow blossoms. Easy to transplant. Makes a great snowbreak and windbreak. Price, 2 to 3 ft. transplanted, \$20 per hundred.

GOLDEN WILLOW. Extremely hardy and ornamental. Makes a thick low hedge or can be allowed to grow tall. Does well in all soils. Prices, 4 to 5 ft., \$8.00 per 100.

SOFT MAPLE. Very hardy and fast growing. Makes a large long lived tree. 2 to 3 ft. seedlings \$5.00 per 100.

AMERICAN ELM. A fast growing native tree and very hardy. 2 to 3 ft. seedlings, \$5.00 per 100; 3 to 4 feet \$7.00 per 100.

By buying at home you save the Agent's commission which is usually 30 to 40 per cent.

BE SURE TO PLANT THE FOLLOWING OUTSTANDING VARIETIES:

Haralson Apple

Waneta Plum

Lincoln Pear

Patten Pear

Latham Raspberry

Beta Grape

Hansa Rose

THEY ARE SURE TO PLEASE

Hardy Shrubs

The shrubs listed are all hardy here at Graettinger. Do not plant the half hardy kinds. Plant in good soil and tramp solid. Give thorough cultivation the first year. Some manure worked into the soil will do them lots of good.

We list two sizes. The heavy 3 to 5 year old sizes are the most economical in the long run. Prices unless otherwise noted, 75c each; 6 for \$4.00; 12 for \$7.50. Smaller sizes, 2 to 3 years, 50c each; 6 for \$2.50; 12 for \$4.50. All postpaid. We also have large clumps in most varieties at \$1.00 each and up.

SPIREA V. H. (Bridal Wreath). White blossoms in June. This is the most largely planted of all the shrubs. Covered with bloom every year. Fine as a single specimen or as a hedge. We have a big stock.

SPIREA ARGUTA. Very similar to Spirea V. H. but a week earlier, and just as showy and free blooming.

SPIREA BILLARDI ROSEA. Pink plume-like flowers. Hardy.

SPIREA BILLARDI ALBA. Similar to above but white.

SPIREA ANTHONY WATERER Low growing with crimson flowers. Fine for mass planting and hedges.

HYDRANGEA PANICULATA GRANDIFLORA. The well known Hydrangea. Flowers are borne in large globe shaped panicles larger than a gallon pail. Extremely hardy and never fails to bloom in September.

HYDRANGEA ARBORESCENS (Hills of Snow). This plant blooms heavy during July and August. Blossoms white and look like large snowballs.

SYRINGA (Mock Orange.) Tall growing hardy bush covered in early summer with an abundance of white fragrant flowers resembling orange blossoms.

SYRINGA VIRGINIA. A new shrub with very large and double white scented flowers. The best of the Syringas.

SNOWBALL. An old and popular plant.

LILAC, Purple or White. Both well known.

LILAC, THE GRAFTED FRENCH varieties in Blue, Red and White. Bloom young and freely. Strong two year old plants, each \$1.00.

HIGH BUSH CRANBERRY. Looks like a snowball but flowers are different shape, and followed by red berries.

DOGWOOD, Red Bark. Very ornamental in winter when the bark is bright red.

DOGWOOD, Yellow Bark. Same as above only bark is bright yellow.

FERN TREE. A large bush of the Sumac family with deeply cut leaves.

FLOWERING ALMOND. A well known shrub covered in spring with double pink roses. Prices, each large plants \$1.00.

PURPLE LEAF BLUM, NEW-PORT. A large bush or small tree with purple foliage holding its color all summer. Very fine and hardy. Price, 4 to 5 ft. \$1.25.

DOUBLE FLOWERING PLUM. Very ornamental and covered every spring with an abundance of pink roses. Much like the Flowering Almond but is hardy and makes a small tree. Price, each 5 ft. \$1.50.

DOUBLE FLOWERING CRAB. Bechtel's. An extremely ornamental little tree bearing an abundance of double pink blossoms, highly scented. Price, 3 to 4 ft. size, each \$1.75.

HONEYSUCKLE, White, Pink or Red. A large growing shrub, blooms freely in the spring.

JAPANESE BARBERRY. Makes a fine specimen and also one of the best for hedges. Covered all winter with red berries. Large plants for lawns. (See Heges)

SNOWBERRY, WHITE OR RED. An ornamental shrub, much used in landscape work. Produces an abundance of red or white berries.

RED LEAF BARBERRY. Leaves bright red all summer. Very showy and ornamental. The best hardy foliage plant. Red berries in winter. 2 ft. bushy plants \$1.00 each; 15-18 in. 75c each.

CARAGANA SIBERIAN PEA TREE. Very hardy and ornamental, Yellow flowers.

Perfectly Hardy Roses

The roses we list under this head are perfectly hardy and will stand the winters without any covering. They are perfectly reliable and bloom freely and unless you are an expert rose grower you should plant them in place of the half hardy kinds. Our plants are heavy 2 and 3 year old plants and most of them will bloom the first year. Plant in rich soil. 6 plants for the price of 5. All postpaid. In some varieties we have large bushes at \$1.00 each and up.

GROOTENDORST. A dwarf Rugosa Hybred that blooms freely in clusters all summer until frost. Protect with a burlap on frosty nights and you can have perfect bloom until November. The only really hardy dwarf rose. Grows 3 to 4 ft. tall. Color deep crimson. Price, \$1.00 each.

HUGONIS. A wonderful new hardy rose from northern China. Covered in early spring with a dense mass of small single yellow flowers making a striking appearance. The plant is very ornamental when not in bloom and grows to large size. Price, \$1.00 each.

HANSA. One of the finest of the Rugosa Hybrids. A cross between the wild Rugosa rose of Japan and the American Beauty. Flowers over three inches in diameter, deep red and very double and blooms all summer. Stands our climate perfectly. Bushes attain a height of 7 to 8 feet. The very best large hardy bush rose. Price, \$1.00 each.

SIR THOMAS LIPTON. Same breeding as Hansa but pure white. Very double. Perfectly hardy without covering. Price, 75c each.

NEW CENTURY. Same breeding as above but bright pink. These three roses are perfectly hardy anywhere without covering. 75c each.

PERSIAN YELLOW. Seldom injured if not covered. Flowers double, and a free bloomer. Finest hardy yellow rose. Price 75c each.

PRINCESADELAIDE, Moss Rose. Bright rosy pink. Large, double and fragrant. Buds beautifully mossed. Price, 75c each.

GRUSS AN TEPLITZ. Bengal Rose. Grows to a height of 4 to 5 feet. Vivid, dazzling, fiery crimson. Very fragrant. Produces a mass of gorgeous bloom on long stems. Price, 75c each.

SPECIAL: One of each of the above; making fine permanent rose garden, 8 large plants for \$5.50. Postpaid.

HALF HARDY BUSH ROSES

Protect in winter by mounding 10 or 12 inches high with earth. Prune back well at planting time. Mix plenty of well rotted manure into the soil. Price, 75c each for large plants 2 and 3 years old. Postpaid.

PAUL NEYRON. Deep rose pink. The largest bloom of any cultivated rose, measuring 6 inches across. Blooms all summer.

GENERAL JACQUEMINOT. Dark crimson, double, fragrant. Very popular and desirable. One of the finest roses.

MAGNA CHARTA. Extra large full flowers, rosy pink in color. Hardy and free bloomer.

FRAU KARL DRUSCHKI OR SNOW QUEEN. Hardy and a vigorous grower. Large showy buds and large snow white blossoms. One of the finest white roses.

RAMBLERS

All free bloomers. Should have winter protection. Plant in rich soil. Price 75c each for large 2 and 3 year old plants. Postpaid.

CRIMSON RAMBLER. Very vigorous grower. Produces its flowers in pyramidal clusters of large numbers. Remains in bloom for a long time.

DOROTHY PERKINS. A shell-pink variety of similar habit to the Crimson Rambler. Very vigorous and a great bloomer. The best of color.

SEVEN SISTERS. Named from clusters of roses which it bears; flowers, medium size, light rose color, double; a well known variety.

PAUL'S SCARLET. Very bright red flowers in clusters with yellow stamens. A vigorous grower and free bloomer. A new variety.

SPECIAL: One of each of above large plants, four for \$2.50. Postpaid.

Hedging

SIBERIAN PEA TREE Very Hardy

	50	100
2-3 ft. heavy	\$10.00	\$20.00
	50	100

SPIREA V. H.		
2-year plants, light	\$13.00	\$25.00

ALPINE CURRENT

	50	100
18 to 24 in.	\$18.00	\$35.00

DOGWOOD RED OR 2-year plants, per	50	\$20.00;	per 100	\$40.00.
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RED LEAF JAPANESE BAR-		
BERRY. Very showy. Bright red	50	100

all summer.	50	100
15 to 18 in. trans-		

planted	\$33.00	\$65.00
	50	100

BARBERRY JAPANESE

50	100
18-24 in. heavy	\$13.00

2-3 ft., heavy	\$18.00	\$35.00
	50	100

DOGWOOD RED OR YELLOW BRANCHED.

2-year plants, per	50	\$20.00;	per 100	\$40.00.
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Hardy Climbing Vines

AMERICAN IVY. Virginia Creeper, 50c each; 3 for \$1.00.

ENGLEMAN IVY. (Clings to a wall.) Large plants, 60c each; 2 for \$1.00.

HONEYSUCKLE VINE. SCARLET TRUMPET, 40c each; 3 for \$1.00.

BITTER SWEET. Large plants, 50c each; 3 for \$1.00.

Paeonies

Three different colors, our selection of varieties \$1.50, postpaid.

We offer the following plants: Good strong divisions, 3 to 5 eyes. All first class varieties.

Grover Cleveland—Deep Red.

Festiva Maxima—Pure white, tall growing, the best white.

Felix Crousse—Deep Red.

L'Esperance—Deep Pink. Fine.

Derlinger—Deep Red.

Modern Bouquet—Deep Pink.

Price each 75c; 3 for \$2.00

Gladiolus

About 10 varieties, all good colors mixed. Blooming size. Price per dozen 50c; per 50, \$2.00, postpaid.

Dahlias

Several varieties of the large blooming kind. Bloom six to eight inches across and are free bloomers. Plant May 1st. about 8 inches deep. Very showy. Several varieties of red, pink, yellow and white. Price each 50c postpaid.

REGAL LILY

This wonderful plant was discovered only a few years ago in a valley high up in the Himalaya mountains in northern Asia. One of the finest lilies grown and perfectly hardy. The bulbs should be left in the ground all winter. Flowers are large and bell shaped and pure white, with yellow throat, and highly scented. Prices, large bulbs, 1 1/2 to 2 inches, each 50c; 3/4 to 1 in.,

20c; per six, \$1.00, postpaid.

TIGER LILY, Single. The old fashioned Tiger Lily. Has orange-red flowers with purplish spots. Prices, large bulbs each 25c; 6 for \$1.25 postpaid.

TIGER LILY, Double. Same as above only flowers are double. Prices, large bulbs, each 30c; 6 for \$1.50 postpaid.